

APPENDIX
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15  DEFINE VARIABLE "bcv_groupid"
    TYPE STRING RETAINED
    DEFAULT ""
    END

20  DEFINE VARIABLE "cmd"
    TYPE STRING
    DEFAULT ""
    END

25  DEFINE VARIABLE "Command_Lock"
    TYPE INTEGER RETAINED
    DEFAULT 0
    END

30  DEFINE VARIABLE "PAUSEIO_Lock"
    /* When PAUSEIO_Lock is set, nothing happens except PAUSEIO stuff! */
    TYPE INTEGER RETAINED
    DEFAULT 0
    END

35  DEFINE VARIABLE GROUP "LocEstConf"
    /* This group is important in limiting the LocEstConf 1 pattern to one execution of */
    /* a particular set of commands. */
    TYPE STRING RETAINED
    DEFAULT ""
    END

40  DEFINE VARIABLE "Ignore_CmdPrompt"
    TYPE INTEGER RETAINED
    DEFAULT 0
    END

45  DEFINE VARIABLE GROUP "Routine_Queue"
    /* Routine queue is used whenever possible for logging or any time we are not */
    /* concerned with how soon the command is performed such as with logging. */
    TYPE STRING RETAINED
    DEFAULT ""
    END

50  DEFINE VARIABLE GROUP "Priority_Queue"
    /* Priority queue is for all Remote Copy commands except RC Start and INSTANT SPLIT. */
    TYPE STRING RETAINED
    DEFAULT ""
    END
```

```
60  DEFINE VARIABLE GROUP "Immediate_Queue"
/* Immediate queue is for all RC Start commands only (see RC_Start 1). */
    TYPE STRING RETAINED
    DEFAULT ""
65  END

    DEFINE VARIABLE GROUP "Flash_Queue"
/* Flash is the highest precedence queue and is reserved for INSTANT SPLIT commands. */
    TYPE STRING RETAINED
70  DEFAULT ""
END

    DEFINE VARIABLE GROUP "GroupNode"
    TYPE STRING RETAINED
75  DEFAULT ""
END

    DEFINE VARIABLE "IX_pass"
    TYPE STRING RETAINED
80  DEFAULT "amsans pauserrid DONE"
END

    DEFINE VARIABLE "IX_stop_diskio"
    TYPE STRING RETAINED
85  DEFAULT "pauseio"
END

    DEFINE VARIABLE GROUP "LocEstSent"
    TYPE STRING RETAINED
90  DEFAULT ""
END

    DEFINE VARIABLE GROUP "LocSplitSent"
    TYPE STRING RETAINED
95  DEFAULT ""
END

    DEFINE VARIABLE GROUP "LocVerifyEst"
    TYPE STRING RETAINED
100  DEFAULT ""
END

    DEFINE VARIABLE "LogName"
    TYPE STRING RETAINED
105  DEFAULT "RemoteCopy"
END
```

```
110  DEFINE VARIABLE "node"
      TYPE STRING RETAINED
      DEFAULT ""
      END

115  DEFINE VARIABLE GROUP "RC_In_Progress"
      TYPE STRING RETAINED
      DEFAULT ""
      END

120  DEFINE VARIABLE GROUP "RDFSplitSent"
      TYPE STRING RETAINED
      DEFAULT ""
      END

125  DEFINE VARIABLE GROUP "RDF_In_Progress"
      TYPE STRING RETAINED
      DEFAULT ""
      END

130  DEFINE VARIABLE GROUP "RemEstSent"
      TYPE STRING RETAINED
      DEFAULT ""
      END

135  DEFINE VARIABLE GROUP "RemSplitSent"
      TYPE STRING RETAINED
      DEFAULT ""
      END

140  DEFINE VARIABLE GROUP "RemVerifySplit"
      TYPE STRING RETAINED
      DEFAULT ""
      END

145  DEFINE VARIABLE "symm_host"
      TYPE STRING RETAINED
      DEFAULT "symm_nt"
      END

150  DEFINE VARIABLE "x"
      TYPE STRING
      DEFAULT ""
      END

155  DEFINE VARIABLE "y"
      TYPE STRING
      DEFAULT ""
```

END

/* Patterns for group "Activate_DB" */

160 DEFINE "Activate_DB" 1
MESSAGE "MI001: SP-AMS DATABASE <dbname> ACTIVATED BY <some means>."
/* --1---*--2---*--3---*--4---*---5---*6-*---7---*---8--- */
TYPE ANY-SENDER OTHER VARIABLE-LENGTH
PRIORITY 128
165 TOKEN KEYWORD 1 "MI001:"
TOKEN FIXED 2 "SP-AMS"
TOKEN FIXED 3 "DATABASE"
TOKEN FIXED 5 "ACTIVATED"
CREATE GroupNode:"GROUP1"
170 CREATE GroupNode:"GROUP2"
CREATE GroupNode:"GROUP3"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Activate_DB_1|T
EXT=_MESSAGE\"
175 END

/* Patterns for group "CmdPrompt" */

180 DEFINE "CmdPrompt" 1
MESSAGE "internal or external command, operable program or batch file."
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 1 "INTERNAL"
TOKEN FIXED 3 "EXTERNAL"
185 TOKEN FIXED 4 "COMMAND,"
TOKEN FIXED 5 "OPERABLE"
CONSTRAINT _HOSTID = "\symm_host\"
SET Ignore_CmdPrompt = 1
ACTION EVENT-REPORT
190 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CmdPrompt_1|T
EXT=_IMAGE\"
END

DEFINE "CmdPrompt" 2

195 /* The return of the command prompt to the telnet session of the symm NT signals */
/* the release of the lock on the SYMAPI database file. Queued commands are then */
/* sent to SYMCLI after setting the SPO Command_Lock. The SPO lock is freed only */
/* in this pattern.
*/
MESSAGE "\?1\:\>"
200 /* ---1--- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN MASKED 1 "\?1\:\>"

```
CONSTRANT _HOSTID = "\symm_host\"  
205 IF Ignore_CmdPrompt  
    RESET Ignore_CmdPrompt  
ELSE  
    IF !PAUSEIO_Lock  
        IF ?Flash_Queue:_ALL > 0  
210 /* ... then there is at least one command in the queue. */  
/* We use a character that can never show up in a command to separate them so */  
/* when we dump them all out we can extract one in this FIFO mechanism. The */  
/* dump of "Flash_Queue:_ALL" then might look something like this: */  
/* symmir -g GROUP3 verify_ symrdf -g GROUP2 -bcv split_ symmir -g GROUP1 verify_ */  
215 /*  
/* Add an underscore character to the end of the command, remove spaces and */  
/* delete it from the queue: */  
    SET cmd = "\Flash_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
220     SET cmd = "\cmd \" -1\"  
ENDIF  
    SET x = "\cmd\_"  
    DESTROY Flash_Queue:x  
    ACTION COMMAND "\cmd\"  
225 ELSEIF ?Immediate_Queue:_ALL > 0  
    SET cmd = "\Immediate_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
        SET cmd = "\cmd \" -1\"  
    ENDIF  
    SET x = "\cmd\_"  
    DESTROY Immediate_Queue:x  
    ACTION COMMAND "\cmd\"  
ELSEIF ?Priority_Queue:_ALL > 0  
230     SET cmd = "\Priority_Queue:_ALL {} -1\"  
     IF \cmd[1,2]\ = " "  
         SET cmd = "\cmd \" -1\"  
    ENDIF  
    SET x = "\cmd\_"  
    DESTROY Priority_Queue:x  
    ACTION COMMAND "\cmd\"  
240 ELSEIF ?Routine_Queue:_ALL > 0  
    SET cmd = "\Routine_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
        SET cmd = "\cmd \" -1\"  
    ENDIF  
    SET x = "\cmd\_"  
    DESTROY Routine_Queue:x  
    ACTION COMMAND "\cmd\"  
ELSE  
250 /* Nothing on any of the queues to do, free the lock (we free it only in this pattern and not */  
/* after message "internal or external command, operable program or batch file."): */
```

```
        RESET Command_Lock
        ENDIF
        ELSE
255      RESET Command_Lock
        ENDIF
        ENDIF
        ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CmdPrompt_2|T
260 EXT=_IMAGE[1,2]\|\>"
        END

/* Patterns for group "ExecuteCmd" */

265 DEFINE "ExecuteCmd" 1
/* This pattern is used to control execution of commands from outside such as from the
console or for timed commands. */
/* Check the Command_Lock and perform the command if free, or place the command on
the <precedence>_Queue if not: */
270 MESSAGE "\*30\PROCESS <precedence> COMMAND: <command string>""
/*     --1--*--2---*--3---*---4--- */
        TYPE ANY-SENDER OTHER VARIABLE-LENGTH
        PRIORITY 128
        TOKEN MASKED 1 "\*30\PROCESS"
275 TOKEN KEYWORD 3 "COMMAND:"
        SET cmd = "\_MESSAGE" " " 4\
        SET x = "\cmd\_"
        IF _TOKEN2 = "FLASH"
            CREATE Flash_Queue:x
280 ELSEIF _TOKEN2 = "IMMEDIATE"
            CREATE Immediate_Queue:x
        ELSEIF _TOKEN2 = "PRIORITY"
            CREATE Priority_Queue:x
        ELSEIF _TOKEN2 = "ROUTINE"
            CREATE Routine_Queue:x
285 ENDIF
        IF !Command_Lock & !PAUSEIO_Lock
            IF ?Flash_Queue:_ALL > 0
                SET cmd = "\Flash_Queue:_ALL {} -1\
290             IF \cmd[1,2]\ = "
                    SET cmd = "\cmd" " " -1\
                ENDIF
                SET x = "\cmd\_"
                DESTROY Flash_Queue:x
                SET Command_Lock = 1
                ACTION COMMAND "\cmd\
295             ELSEIF ?Immediate_Queue:_ALL > 0
                SET cmd = "\Immediate_Queue:_ALL {} -1\
                IF \cmd[1,2]\ = "

```

```
300      SET cmd = "\cmd \" -1\""
ENDIF
SET x = "\cmd\_"
DESTROY Immediate_Queue:x
SET Command_Lock = 1
305      ACTION COMMAND "\cmd\
ELSEIF ?Priority_Queue:_ALL > 0
SET cmd = "\Priority_Queue:_ALL {} -1\""
IF \cmd[1,2]\ = "
    SET cmd = "\cmd \" -1\""
310      ENDIF
SET x = "\cmd\_"
DESTROY Priority_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
315      ELSEIF ?Routine_Queue:_ALL > 0
SET cmd = "\Routine_Queue:_ALL {} -1\""
IF \cmd[1,2]\ = "
    SET cmd = "\cmd \" -1\""
ENDIF
320      SET x = "\cmd\_"
DESTROY Routine_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
ENDIF
325      ENDIF
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=ExecuteCmd_1|T
EXT=\_MESSAGE"
END
330      /* Patterns for group "RC_Start" */

DEFINE "RC_Start" 1
MESSAGE "START REMOTE COPY DISKGROUP <bcv_groupid> NODE <node>"
335      /* --1--*--2--*--3--*--4--*--5--*--6--*--7--- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 2 "REMOTE"
TOKEN FIXED 4 "DISKGROUP"
340      TOKEN FIXED 3 "COPY"
TOKEN FIXED 6 "NODE"
CONSTRAINT _HOSTID = "\symm_host\
SET bcv_groupid = _TOKEN5
SET node = _TOKEN7
345      SET x = "\bcv_groupid\&node\"
IF ?GroupNode:x
    SET RC_In_Progress:bcv_groupid = "\_IMAGE {} -1\"
```

```

CREATE RemVerifySplit:bcv_groupid
SET x = "\bcv_groupid"
CREATE RemVerifySplit:x
SET cmd = "symmir -g \bcv_groupid\ -rdf -bcv -split verify"
SET x = "\cmd\_"
/* ... add an underscore character to the end of the command and place it on the queue: */
CREATE Immediate_Queue:x
355 IF !Command_Lock & !PAUSEIO_Lock
    IF ?Flash_Queue:_ALL > 0
        SET cmd = "\Flash_Queue:_ALL {} -1\
        IF \cmd[1,2]\ = "
            SET cmd = "\cmd \" -1\
    ENDIF
    SET x = "\cmd\_"
    DESTROY Flash_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\
365 ELSEIF ?Immediate_Queue:_ALL > 0
    SET cmd = "\Immediate_Queue:_ALL {} -1\
    IF \cmd[1,2]\ = "
        SET cmd = "\cmd \" -1\
    ENDIF
    SET x = "\cmd\_"
    DESTROY Immediate_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\
370 ELSEIF ?Priority_Queue:_ALL > 0
    SET cmd = "\Priority_Queue:_ALL {} -1\
    IF \cmd[1,2]\ = "
        SET cmd = "\cmd \" -1\
    ENDIF
    SET x = "\cmd\_"
    DESTROY Priority_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\
375 ELSEIF ?Routine_Queue:_ALL > 0
    SET cmd = "\Routine_Queue:_ALL {} -1\
    IF \cmd[1,2]\ = "
        SET cmd = "\cmd \" -1\
    ENDIF
    SET x = "\cmd\_"
    DESTROY Routine_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\
380 ELSEIF ?Event_Queue:_ALL > 0
    SET cmd = "\Event_Queue:_ALL {} -1\
    IF \cmd[1,2]\ = "
        SET cmd = "\cmd \" -1\
    ENDIF
    SET x = "\cmd\_"
    DESTROY Event_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\
385 ELSEIF ?Report_Queue:_ALL > 0
    SET cmd = "\Report_Queue:_ALL {} -1\
    IF \cmd[1,2]\ = "
        SET cmd = "\cmd \" -1\
    ENDIF
    SET x = "\cmd\_"
    DESTROY Report_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\
390 ELSEIF ?File_Queue:_ALL > 0
    SET cmd = "\File_Queue:_ALL {} -1\
    IF \cmd[1,2]\ = "
        SET cmd = "\cmd \" -1\
    ENDIF
    SET x = "\cmd\_"
    DESTROY File_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\
395 ELSE
    ACTION EVENT-REPORT \

```

400 "TYPE=AL|CLASS=Host|INSTANCE=_IMAGE {} -
1\|APPL=RemoteCopy|SEV=major|ALARMD=RC_Invalid_Diskgroup|" \
"ALARMQUAL=\bcv_groupid\._IMAGE {} -1\._DT {}"
2\|HELP=RemoteCopy/RC_Invalid_Diskgroup|TEXT=Remote Copy failed for "\ \
"diskgroup \bcv_groupid\ on host _IMAGE {} -1\. Invalid diskgroup nodename
combination!"
ACTION EVENT-REPORT "TYPE=CO|CLASS=2200_Host|INSTANCE=_IMAGE {} -
1\|COMMAND=REMOTE COPY FAILED _IMAGE {} -3\"
ENDIF
405 ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RC_Start_1|TEX
T=_MESSAGE"
END

410 /* Patterns for group "RemNotSplit" */

415 DEFINE "RemNotSplit" 1
MESSAGE "Not all devices in group '<diskgroup>' are in the 'Split' state."
/* -1-* -2-* ---3---*4-* --5--* -----6-----* -7-*8-* -9-* --10---* --11-- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 1 "NOT"
TOKEN FIXED 3 "DEVICES"
TOKEN FIXED 4 "IN"
420 TOKEN FIXED 5 "GROUP"
TOKEN FIXED 9 "THE"
TOKEN FIXED 10 "'SPLIT'"
CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?RemVerifySplit:_TOKEN6
425 SET bcv_groupid = "_TOKEN6 {} 1"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_R2|INSTANCE=\bcv_groupid\|Status=red|Message=_ME
SSAGE\"
ACTION EVENT-REPORT
430 "TYPE=AC|CLASS=\bcv_groupid_RL|INSTANCE=\bcv_groupid\|Status=red|Message=_ME
SSAGE\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_RBCV|INSTANCE=\bcv_groupid\|Status=red|Message=_ME
SSAGE\"
435 SET x = RC_In_Progress:bcv_groupid
ACTION EVENT-REPORT
"TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED
\bcv_groupid\"
ACTION COMMAND "CLEAN UP \bcv_groupid\ FAIL"
440 ACTION EVENT-REPORT \
"TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMD=RC_Re
mNotSplit|HELP=RemoteCopy/RC_RemNotSplit|" \
9

445 "ALARMQUAL=\bcv_groupid.\x._DT { } 2\|TEXT=Remote Copy failed for diskgroup
 \bcv_groupid\ on host \x\. Remote BCV not" \
 " split!"
 ACTION EVENT-REPORT
 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemNotSplit_1|T
 EXT=_MESSAGE\"
 END

450
455 DEFINE "RemNotSplit" 2
 MESSAGE "None of the devices in group '<diskgroup>' are in the 'Split' state."
 /* -1--*2-*3-*4---*5-*6-----7-----*8-*9-*10-*--11---*-12-- */
 TYPE ANY-SENDER OTHER
 PRIORITY 128
 TOKEN KEYWORD 1 "NONE"
 TOKEN FIXED 3 "THE"
 TOKEN FIXED 4 "DEVICES"
460 TOKEN FIXED 6 "GROUP"
 TOKEN FIXED 11 "SPLIT"
 TOKEN FIXED 12 "STATE."
 CONSTRAINT _HOSTID = "\symm_host\"
 CONSTRAINT ?RemVerifySplit:_TOKEN7
 SET bcv_groupid = "_TOKEN7 {} 1"\n
 ACTION EVENT-REPORT
 "TYPE=AC|CLASS=\bcv_groupid_R2|INSTANCE=\bcv_groupid\|Status=red|Message=_ME
 SSAGE\"
470 ACTION EVENT-REPORT
 "TYPE=AC|CLASS=\bcv_groupid_RL|INSTANCE=\bcv_groupid\|Status=red|Message=_ME
 SSAGE\"
 ACTION EVENT-REPORT
 "TYPE=AC|CLASS=\bcv_groupid_RBCV|INSTANCE=\bcv_groupid\|Status=red|Message=_
 MESSAGE"
475 SET x = RC_In_Progress:\bcv_groupid
 ACTION EVENT-REPORT
 "TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED
 \bcv_groupid\"
 ACTION COMMAND "CHECK VARS"
480 ACTION COMMAND "CLEAN UP \bcv_groupid\ FAIL"
 ACTION EVENT-REPORT \

485 "TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMID=RC_Re
 mNotSplit|HELP=RemoteCopy/RC_RemNotSplit|" \
 "ALARMQUAL=\bcv_groupid.\x._DT { } 2\|TEXT=Remote Copy failed for diskgroup
 \bcv_groupid\ on host \x\. Remote BCV not" \
 " split!"
 ACTION EVENT-REPORT
 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemNotSplit_2|T
 EXT=_MESSAGE\"
 END

/* Patterns for group "RemSplitConf" */

495 DEFINE "RemSplitConf" 1
MESSAGE "All devices in group '<bcv_groupid>' are in the 'Split' state."
/* -1-*---2---*3-*---4---*-----5-----*6-*7-*8-*---9---*---10-- */
TYPE ANY-SENDER OTHER
PRIORITY 128

500 TOKEN KEYWORD 1 "ALL"
TOKEN FIXED 3 "IN"
TOKEN FIXED 4 "GROUP"
TOKEN FIXED 8 "THE"
CONSTRAINT _HOSTID = "\symm_host"\

505 CONSTRAINT ?RemVerifySplit:_TOKEN5
DESTROY RemVerifySplit:_TOKEN5
SET bcv_groupid = "_TOKEN5 {} 1\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_R2|INSTANCE=\bcv_groupid\|Status=yellow|Message=_MESSAGE"\
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_RL|INSTANCE=\bcv_groupid\|Status=yellow|Message=_MESSAGE"\
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_RBCV|INSTANCE=\bcv_groupid\|Status=yellow|Message=_MESSAGE"\
DESTROY RemVerifySplit:bcv_groupid
CREATE LocVerifyEst:_TOKEN5
CREATE LocVerifyEst:bcv_groupid
ACTION EVENT-REPORT \
"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = Remote_Split_Confirmed_\bcv_groupid\"
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
\bcv_groupid\ verify"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitConf_1|
TEXT=_MESSAGE"\
END

/* Patterns for group "LocNotEst" */

535 DEFINE "LocNotEst" 1
MESSAGE "Not all devices in group '<diskgroup>' are in the 'Synchronized or Restored'
state."
/* -1-*---2---*3---*4---*5---*-----6-----*7-*8-*9-*---10-----*11*---12---*---13-- */
TYPE ANY-SENDER OTHER

540 PRIORITY 128
TOKEN KEYWORD 1 "NOT"
TOKEN FIXED 3 "DEVICES"
TOKEN FIXED 5 "GROUP"
TOKEN FIXED 10 "SYNCHRONIZED"
545 TOKEN FIXED 13 "STATE."
CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?LocVerifyEst:_TOKEN6
SET bcv_groupid = "_TOKEN6 {} 1\"
ACTION EVENT-REPORT
550 "TYPE=AC|CLASS=\bcv_groupid_M2|INSTANCE=\bcv_groupid\|Status=red|Message=_MESSAGE\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_LL|INSTANCE=\bcv_groupid\|Status=red|Message=_MESSAGE\"
555 ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_LBCV|INSTANCE=\bcv_groupid\|Status=red|Message=_MESSAGE\"
SET x = RC_In_Progress:\bcv_groupid
ACTION EVENT-REPORT
560 "TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED
\bcv_groupid\"
ACTION COMMAND "CHECK VARS"
ACTION COMMAND "CLEAN UP \bcv_groupid\ FAIL"
ACTION EVENT-REPORT \
565 "TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMID=RC_Lo
cNotEst|ALARMQUAL=\bcv_groupid.\x._DT {} 2\" \
"HELP=RemoteCopy/RC_LocNotEst|TEXT=Remote Copy failed for diskgroup
\bcv_groupid\ on host \x. Local BCV not " \
"synchronized!"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocNotEst_1|TE
XT=_MESSAGE\"
END
575 DEFINE "LocNotEst" 2
MESSAGE "None of the devices in group '<diskgroup>' are in the 'Synchronized or
Restored' state."
/* -1--*2--3---4---5---6---7-----*8-*9-*10-*----11----*12*---13---*--14-- */
580 TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 1 "NONE"
TOKEN FIXED 3 "THE"
TOKEN FIXED 4 "DEVICES"
585 TOKEN FIXED 11 "SYNCHRONIZED"
TOKEN FIXED 13 "RESTORED"
CONSTRAINT _HOSTID = "\symm_host\"

```
CONRAINT ?LocVerifyEst:_TOKEN7
SET bcv_groupid = "\_TOKEN7 {} 1"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=red|Message=\_M
ESSAGE"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=red|Message=\_ME
SSAGE"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=red|Message=\_
MESSAGE"
SET x = RC_In_Progress:bcv_groupid
ACTION EVENT-REPORT
"TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED
\bcv_groupid"
ACTION COMMAND "CHECK VARS"
ACTION COMMAND "CLEAN UP \bcv_groupid\ FAIL"
ACTION EVENT-REPORT \
"TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMID=RC_Lo
cNotEst|ALARMQUAL=\bcv_groupid\.\x\.\_DT {} 2\"
"HELP=RemoteCopy/RC_LocNotEst|TEXT=Remote Copy failed for diskgroup
\bcv_groupid\ on host \x\. Local BCV not "
"synchonized!"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocNotEst_2|TE
XT=\_MESSAGE"
END

/* Patterns for group "LocEstConf" */

DEFINE "LocEstConf" 1
MESSAGE "All devices in group '<bcv_groupid>' are in the 'Synchronized or Restored'
state."
/* -1---2---*3-*--4-----5-----*6-*7-*8-----9-----*10---11---*--12-- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 2 "DEVICES"
TOKEN FIXED 9 "SYNCHRONIZED"
TOKEN FIXED 11 "RESTORED"
CONSTRAINT _HOSTID = "\symm_host"
CONSTRAINT ?LocVerifyEst:_TOKEN5
SET bcv_groupid = "\_TOKEN5 {} 1\
IF !?LocEstConf:bcv_groupid
/* This path means we got here for the first time. */
ACTION EVENT-REPORT \
```

```
635 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = Local_Establish_Confirmed_\bcv_groupid\
      ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=green|Message=\_
MESSAGE"
640   ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
MESSAGE"
      ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=green|Message =
\MESSAGE"
645   CREATE LocEstConf:bcv_groupid
ENDIF
IF ?RDF_In_Progress:_ALL = 0 & !Command_Lock & !PAUSEIO_Lock
/* Then there are no RDF establish commands processing...okay to do the PAUSEIO: */
650   DESTROY LocEstConf:bcv_groupid
SET PAUSEIO_Lock = 1
DESTROY LocVerifyEst:_TOKEN5
DESTROY LocVerifyEst:bcv_groupid
SET y = "\RC_In_Progress:bcv_groupid\
655   ACTION EVENT-REPORT
"TYPE=CO|CLASS=2200_Host|INSTANCE=\y\|COMMAND=\IX_stop_diskio\
ELSE
/* We have to wait to issue the PAUSEIO since there is an RDF establish in progress. */
/* We just sent this message (image) in so it can match again. */
660   ACTION COMMAND WAIT 1 SECONDS "\_IMAGE"
ENDIF
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstConf_1|T
EXT=\MESSAGE"
665 END

/* Patterns for group "LocSplitSent" */

670 DEFINE "LocSplitSent" 1
MESSAGE "\*30\CREATE LocSplitSent <bcv_groupid> <local split command>"*
/*     ---1---*---2-----*---3----- */
TYPE ANY-SENDER OTHER var
PRIORITY 128
TOKEN KEYWORD 2 "LOCSPLITSENT"
675 TOKEN MASKED 1 "\*30\CREATE"
CREATE LocSplitSent:_TOKEN3
SET x = "\_TOKEN3\""
CREATE LocSplitSent:x
SET bcv_groupid = "\_TOKEN3\""
SET cmd = "\_MESSAGE " "4\"
```

```
/* This is a SPLIT command during the PAUSEIO critical period--make it Flash precedence.  
*/  
SET x = "\cmd\"  
/* ... add an underscore character to the end of the command and place it on the queue: */  
685 CREATE Flash_Queue:x  
/* This pattern does not require a test of the locks since we cannot get here unless the */  
/* PAUSEIO_Lock is set and the Command_Lock doesn't matter since we must have control  
in */  
/* this situation. */  
690 IF ?Flash_Queue:_ALL > 0  
    SET cmd = "\Flash_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
        SET cmd = "\cmd \" -1\"  
    ENDIF  
695    SET x = "\cmd\"  
    DESTROY Flash_Queue:x  
    SET Command_Lock = 1  
    ACTION COMMAND "\cmd\"  
ELSEIF ?Immediate_Queue:_ALL > 0  
700    SET cmd = "\Immediate_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
        SET cmd = "\cmd \" -1\"  
    ENDIF  
705    SET x = "\cmd\"  
    DESTROY Immediate_Queue:x  
    SET Command_Lock = 1  
    ACTION COMMAND "\cmd\"  
ELSEIF ?Priority_Queue:_ALL > 0  
710    SET cmd = "\Priority_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
        SET cmd = "\cmd \" -1\"  
    ENDIF  
    SET x = "\cmd\"  
    DESTROY Priority_Queue:x  
715    SET Command_Lock = 1  
    ACTION COMMAND "\cmd\"  
ELSEIF ?Routine_Queue:_ALL > 0  
    SET cmd = "\Routine_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
720        SET cmd = "\cmd \" -1\"  
    ENDIF  
    SET x = "\cmd\"  
    DESTROY Routine_Queue:x  
    SET Command_Lock = 1  
725    ACTION COMMAND "\cmd\"  
ENDIF  
ACTION EVENT-REPORT  
"TYPE=DE|CLASS=\bcv_groupid\LL|INSTANCE=\bcv_groupid\"
```

ACTION WAIT 1 SECONDS EVENT-REPORT \

730 "TYPE=AC|CLASS=\bcv_groupid__LL|INSTANCE=\bcv_groupid\|Status=yellow|Message=_MESSAGE\"

 ACTION EVENT-REPORT

 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitSent_1|T

735 EXT=_MESSAGE\"

 END

 /* Patterns for group "ResumeIO" */

740 DEFINE "ResumeIO" 1

 MESSAGE "symmir <\bcv_groupid> CLI_C_SPLIT CLI_C_SUCCESS \"CLI call completed successfully.\""

 /* --1---*-----2-----*-----3-----*-----4-----*-----5-----*-----6-----*-----7-----*-----8----- */

745 TYPE ANY-SENDER OTHER

PRIORITY 128

TOKEN KEYWORD 1 "SYMMIR"

TOKEN FIXED 3 "CLI_C_SPLIT"

TOKEN FIXED 4 "CLI_C_SUCCESS"

TOKEN FIXED 5 "\"CLI"

750 TOKEN FIXED 8 "SUCCESSFULLY."

CONSTRAINT _HOSTID = "\symm_host"

CONSTRAINT ?LocSplitSent:_TOKEN2

RESET PAUSEIO_Lock

ACTION EVENT-REPORT "TYPE=DE|CLASS=_TOKEN2__LL|INSTANCE=_TOKEN2\|Status=yellow|Message=_MESSAGE\"

ACTION WAIT 1 SECONDS EVENT-REPORT

755 "TYPE=AC|CLASS=_TOKEN2__LL|INSTANCE=_TOKEN2\|Status=yellow|Message=_MESSAGE\"

SET x = "\RC_In_Progress:_TOKEN2\"

ACTION EVENT-REPORT

760 "TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=\|X_pass\"

SET cmd = "symmir -g _TOKEN2\ -split verify"

SET x = "\cmd_"

/* ... add an underscore character to the end of the command and place it on the queue: */

CREATE Priority_Queue:x

765 IF !Command_Lock & !PAUSEIO_Lock

 IF ?Flash_Queue:_ALL > 0

 SET cmd = "\Flash_Queue:_ALL {\} -1\"

 IF \cmd[1,2]\ = " "

 SET cmd = "\cmd " " -1\"

770 ENDIF

 SET x = "\cmd_"

 DESTROY Flash_Queue:x

 SET Command_Lock = 1

 ACTION COMMAND "\cmd\"

775 ELSEIF ?Immediate_Queue:_ALL > 0

 SET cmd = "\Immediate_Queue:_ALL {\} -1\"

```
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\
ENDIF
SET x = "\cmd\_"
DESTROY Immediate_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
ELSEIF ?Priority_Queue:_ALL > 0
SET cmd = "\Priority_Queue:_ALL {} -1\
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\
ENDIF
SET x = "\cmd\_"
DESTROY Priority_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
ELSEIF ?Routine_Queue:_ALL > 0
SET cmd = "\Routine_Queue:_ALL {} -1\
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\
ENDIF
SET x = "\cmd\_"
DESTROY Routine_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
ENDIF
ENDIF
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=ResumeIO_1|TE
XT=\_MESSAGE"
END

/* Patterns for group "LocSplitSent" */
810
DEFINE "LocSplitSent" 2
MESSAGE "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_SPLIT \"NONE of the
mirrored pairs are in the 'Split' state.\"
/*      --1---*---2---*---3---*---4---*---5---*6---*7---*8---*---9---*10---*11---*12---*---13---
815 *---14--- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_VERIFY"
TOKEN FIXED 4 "CLI_C_NONE_SPLIT"
TOKEN FIXED 5 "\"NONE"
TOKEN FIXED 13 "\"SPLIT"
CONSTRAINT _HOSTID = "\symm_host"
CONSTRAINT ?LocSplitSent:_TOKEN2
ACTION EVENT-REPORT "TYPE=DE|CLASS=_TOKEN2\_LL|INSTANCE=_TOKEN2\"
```

```
825    ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_\_L|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_MESSAGE"
    SET cmd = "symmir -g \_TOKEN2\ -split verify"
    SET x = "\cmd\_\_"
830    /* ... add an underscore character to the end of the command and place it on the queue: */
    CREATE Priority_Queue:x
    IF !Command_Lock & !PAUSEIO_Lock
        IF ?Flash_Queue:_ALL > 0
            SET cmd = "\Flash_Queue:_ALL \_\_ -1\"
835        IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " " -1\"
        ENDIF
        SET x = "\cmd\_\_"
        DESTROY Flash_Queue:x
840        SET Command_Lock = 1
        ACTION COMMAND "\cmd\"
    ELSEIF ?Immediate_Queue:_ALL > 0
        SET cmd = "\Immediate_Queue:_ALL \_\_ -1\"
        IF \cmd[1,2]\ = " "
845        SET cmd = "\cmd " " -1\"
    ENDIF
    SET x = "\cmd\_\_"
    DESTROY Immediate_Queue:x
    SET Command_Lock = 1
850    ACTION COMMAND "\cmd\"
    ELSEIF ?Priority_Queue:_ALL > 0
        SET cmd = "\Priority_Queue:_ALL \_\_ -1\"
        IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " " -1\"
855    ENDIF
        SET x = "\cmd\_\_"
        DESTROY Priority_Queue:x
        SET Command_Lock = 1
        ACTION COMMAND "\cmd\"
860    ELSEIF ?Routine_Queue:_ALL > 0
        SET cmd = "\Routine_Queue:_ALL \_\_ -1\"
        IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " " -1\"
865    ENDIF
        SET x = "\cmd\_\_"
        DESTROY Routine_Queue:x
        SET Command_Lock = 1
        ACTION COMMAND "\cmd\"
    ENDIF
870    ENDIF
```

ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitSent_2|T
EXT=_MESSAGE\"
END

875 DEFINE "LocSplitSent" 3
 MESSAGE "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_SPLIT \"NOT all of
 the mirrored pairs are in the 'Split' state.\""
 /* --1---2----3----4-----5--6-7-8-9---10--11-12*13-*--
880 14---*15--- */
 TYPE ANY-SENDER OTHER
 PRIORITY 128
 TOKEN KEYWORD 3 "CLI_C_VERIFY"
 TOKEN FIXED 4 "CLI_C_NOT_ALL_SPLIT"
885 TOKEN FIXED 5 "\"NOT"
 TOKEN FIXED 9 "MIRRORED"
 TOKEN FIXED 14 "'SPLIT'"
 CONSTRAINT _HOSTID = "\symm_host"
 CONSTRAINT ?LocSplitSent:_TOKEN2
890 ACTION EVENT-REPORT "TYPE=DE|CLASS=_TOKEN2\LL|INSTANCE=_TOKEN2\"
 ACTION WAIT 1 SECONDS EVENT-REPORT
 "TYPE=AC|CLASS=_TOKEN2\LL|INSTANCE=_TOKEN2\|Status=yellow|Message=_MES
 SAGE\"
 SET cmd = "symmir -g _TOKEN2\ -split verify"
 SET x = "\cmd_"
 /* ... add an underscore character to the end of the command and place it on the queue: */
 CREATE Priority_Queue:x
 IF !Command_Lock & !PAUSEIO_Lock
 IF ?Flash_Queue:_ALL > 0
 900 SET cmd = "\Flash_Queue:_ALL {} -1\"
 IF \cmd[1,2]\ = " "
 SET cmd = "\cmd " "-1\"
 ENDIF
 SET x = "\cmd_"
905 DESTROY Flash_Queue:x
 SET Command_Lock = 1
 ACTION COMMAND "\cmd\"
 ELSEIF ?Immediate_Queue:_ALL > 0
 SET cmd = "\Immediate_Queue:_ALL {} -1\"
910 IF \cmd[1,2]\ = " "
 SET cmd = "\cmd " "-1\"
 ENDIF
 SET x = "\cmd_"
 DESTROY Immediate_Queue:x
 SET Command_Lock = 1
 ACTION COMMAND "\cmd\"
 ELSEIF ?Priority_Queue:_ALL > 0
 SET cmd = "\Priority_Queue:_ALL {} -1\"

```
920 IF \cmd[1,2]\ = " "
    SET cmd = "\cmd " "-1\""
ENDIF
SET x = "\cmd\"
DESTROY Priority_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
925 ELSEIF ?Routine_Queue:_ALL > 0
    SET cmd = "\Routine_Queue:_ALL {} -1\""
    IF \cmd[1,2]\ = " "
        SET cmd = "\cmd " "-1\""
    ENDIF
    SET x = "\cmd\"
    DESTROY Routine_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
930 ENDIF
935 ENDIF
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitSent_3|T
EXT=\_MESSAGE\""
940 END

/* Patterns for group "LocSplitConf" */

945 DEFINE "LocSplitConf" 1
MESSAGE "All devices in group '<bcv_groupid>' are in the 'Split' state."
/*      -1---2---*3-*---4---*-----5-----*-6-*7-*8-*---9---*-10-- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 1 "ALL"
TOKEN FIXED 2 "DEVICES"
TOKEN FIXED 9 "SPLIT"
TOKEN FIXED 10 "STATE."
CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?LocSplitSent:_TOKEN5
950 DESTROY LocSplitSent:_TOKEN5
SET bcv_groupid = "\_TOKEN5 {} 1\""
ACTION EVENT-REPORT \
955

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = Local_Split_Confirmed_\bcv_groupid\
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
MESSAGE\""
ACTION EVENT-REPORT
960 "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
MESSAGE\""
```

```
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_\LBCV|INSTANCE=\bcv_groupid\|Status=yellow|Message
=_MESSAGE\""
970 DESTROY LocSplitSent:\bcv_groupid
CREATE RDF_In_Progress:_TOKEN5
CREATE RDF_In_Progress:\bcv_groupid
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
975 ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
\bcv_groupid\ -bcv -noecho -noprompt establish"
ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:\bcv_groupid\|COMMAND=RC
980 LAST = RDF_Establish_Sent_\bcv_groupid\
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\bcv_groupid\_\RDFL|INSTANCE=\bcv_groupid\
ACTION WAIT 1 SECONDS EVENT-REPORT \

985 "TYPE=AC|CLASS=\bcv_groupid\_\RDFL|INSTANCE=\bcv_groupid\|Status=green|Message
=_MESSAGE\""
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitConf_1|T
EXT=_MESSAGE\""
990 END

/* Patterns for group "RDF_InProg" */

995 DEFINE "RDF_InProg" 1
MESSAGE "symrdf <\bcv_groupid> CLI_C_ESTABLISH CLI_C_SUCCESS \"CLI call
completed successfully.\""
/*     --1---*-----2-----*-----3-----*-----4-----*--5--*--6--*----7----*-----8----- */
TYPE ANY-SENDER OTHER
PRIORITY 128
1000 TOKEN KEYWORD 3 "CLI_C_ESTABLISH"
TOKEN FIXED 4 "CLI_C_SUCCESS"
TOKEN FIXED 5 "\"CLI\""
TOKEN FIXED 8 "SUCCESSFULLY."
CONSTRAINT _HOSTID = "\symm_host"
1005 CONSTRAINT ?RDF_In_Progress:_TOKEN2
SET bcv_groupid = "\_TOKEN2\
ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN2\|COMMAND=RCL
1010 AST = RDF_Establish_In_Progress_\bcv_groupid\
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN2\_\RDFL|INSTANCE=\_TOKEN2\"
```

```
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\Status=green|Message=\_MESSAGE"
1015
SET cmd = "symrdf -g \_TOKEN2\ -bcv verify"
SET x = "\cmd\_\"
/* ... add an underscore character to the end of the command and place it on the queue: */
CREATE Priority_Queue:x
1020
IF !Command_Lock & !PAUSEIO_Lock
IF ?Flash_Queue:_ALL > 0
SET cmd = "\Flash_Queue:_ALL \_\_ -1\""
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\""
1025
ENDIF
SET x = "\cmd\_\"
DESTROY Flash_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
1030
ELSEIF ?Immediate_Queue:_ALL > 0
SET cmd = "\Immediate_Queue:_ALL \_\_ -1\""
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\""
ENDIF
SET x = "\cmd\_\"
DESTROY Immediate_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
1035
ELSEIF ?Priority_Queue:_ALL > 0
SET cmd = "\Priority_Queue:_ALL \_\_ -1\""
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\""
ENDIF
SET x = "\cmd\_\"
DESTROY Priority_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
1040
ELSEIF ?Routine_Queue:_ALL > 0
SET cmd = "\Routine_Queue:_ALL \_\_ -1\""
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\""
ENDIF
SET x = "\cmd\_\"
DESTROY Routine_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
1045
ENDIF
1050
ENDIF
1055
```

1060 ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_InProg_1|T
EXT=_MESSAGE\"
END

1065 DEFINE "RDF_InProg" 2
MESSAGE \
"symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_SYNCHRONIZED \"NONE of the
mirrored pairs are in the 'Synchronized' \" \
/* --1---*---2---*---3---*---4---*---5---*6---*7---*8---*9---*10---*11---*12---*---
13---* */ \
"state.\\""
/* ---14--- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_VERIFY"
TOKEN FIXED 4 "CLI_C_NONE_SYNCHRONIZED"
TOKEN FIXED 5 "\"NONE"
TOKEN FIXED 13 "\"SYNCHRONIZED"
CONSTRAINT _HOSTID = "\symm_host"
CONSTRAINT ?RDF_In_Progress:_TOKEN2
SET bcv_groupid = "_TOKEN2\"
ACTION EVENT-REPORT
"TYPE=DE|CLASS=_TOKEN2_RDFL|INSTANCE=_TOKEN2\"
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=_TOKEN2_RDFL|INSTANCE=_TOKEN2\|Status=green|Message=_M
ESSAGE"
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
_TOKEN2\ -bcv verify"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_InProg_2|T
EXT=_MESSAGE\"
END

1090
1095
1100
1105

DEFINE "RDF_InProg" 3
MESSAGE \
"symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_SYNCHRONIZED \"NOT all of
the mirrored pairs are in the 'Synchronized' \" \
/* --1---*---2---*---3---*---4---*---5---*6---*7---*8---*9---*10---*11---*12---*13---*---
14---* */ \
" state.\\""
/* ---15--- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_VERIFY"
TOKEN FIXED 4 "CLI_C_NOT_ALL_SYNCHRONIZED"

```

TOKEN FIXED 5 "\"NOT"
TOKEN FIXED 14 "SYNCHRONIZED"
CONSTRAINT _HOSTID = "\symm_host"
CONSTRAINT ?RDF_In_Progress:_TOKEN2
SET bcv_groupid = "\_TOKEN2"
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\""
ACTION WAIT 1 SECONDS EVENT-REPORT
1115 "TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=green|Message=\_MESSAGE\""
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
1120 \_TOKEN2\ -bcv verify"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_InProg_3|T
EXT=\_MESSAGE\""
END

1125 DEFINE "RDF_InProg" 4
MESSAGE \
"SYMRDF <bcv_groupid> CLI_C_ESTABLISH CLI_C_ALREADY_IN_STATE \"The
Device(s) is (are) already in the desired state or mode.\\""
1130 TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_ESTABLISH"
TOKEN FIXED 4 "CLI_C_ALREADY_IN_STATE"
TOKEN FIXED 9 "ALREADY"
1135 TOKEN FIXED 13 "STATE"
CONSTRAINT _HOSTID = "\symm_host"
CONSTRAINT ?RDF_In_Progress:_TOKEN2
SET bcv_groupid = "\_TOKEN2"
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\""
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=green|Message=\_MESSAGE\""
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
1140 \_TOKEN2\ -bcv verify"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_InProg_4|T
EXT=\_MESSAGE\""
END

1145 /* Patterns for group "RDF_Est" */

```

1155 DEFINE "RDF_Est" 1
MESSAGE "All devices in the RDF group '<bcv_groupid>' are in the 'Synchronized' state."
/* -1-*---2---*3-*4-*5-*6-*-----7-----*8-*9-*10-*-----11-----*--12-- */
TYPE ANY-SENDER OTHER
PRIORITY 128
1160 TOKEN KEYWORD 1 "ALL"
TOKEN FIXED 2 "DEVICES"
TOKEN FIXED 5 "RDF"
TOKEN FIXED 6 "GROUP"
TOKEN FIXED 11 "SYNCHRONIZED"
1165 CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?RDF_In_Progress:_TOKEN7
DESTROY RDF_In_Progress:_TOKEN7
SET bcv_groupid = "_TOKEN7 {} 1\"
ACTION EVENT-REPORT \
1170 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = RDF_All_Synchronized_\bcv_groupid\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_LBCV|INSTANCE=\bcv_groupid\|Status=green|Message
=_MESSAGE\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_RDFL|INSTANCE=\bcv_groupid\|Status=green|Message
=_MESSAGE\"
ACTION EVENT-REPORT
1180 "TYPE=AC|CLASS=\bcv_groupid_R2|INSTANCE=\bcv_groupid\|Status=green|Message=_
MESSAGE"
DESTROY RDF_In_Progress:bcv_groupid
CREATE RDFSplitSent:_TOKEN7
CREATE RDFSplitSent:bcv_groupid
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
\bcv_groupid\ -bcv -noprompt -noecho split"
ACTION EVENT-REPORT \
1190 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = RDF_Split_Sent_\bcv_groupid\"
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\bcv_groupid_RDFL|INSTANCE=\bcv_groupid\|
1195 ACTION WAIT 1 SECONDS EVENT-REPORT \
"TYPE=AC|CLASS=\bcv_groupid_RDFL|INSTANCE=\bcv_groupid\|Status=yellow|Message
=_MESSAGE\"
ACTION EVENT-REPORT
1200 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_Est_1|TEX
T=_MESSAGE\"
END

```
/* Patterns for group "RDFSplitSent" */
1205 DEFINE "RDFSplitSent" 1
    MESSAGE "symrdf <bcv_groupid> CLI_C_SPLIT CLI_C_SUCCESS \"CLI call completed
successfully.\""
    /* -1---2----*---3---*---4---*--5--*---6---*---7---*---8----- */
1210 TYPE ANY-SENDER OTHER
    PRIORITY 128
    TOKEN KEYWORD 3 "CLI_C_SPLIT"
    TOKEN FIXED 4 "CLI_C_SUCCESS"
    TOKEN FIXED 5 "\"CLI"
1215 TOKEN FIXED 8 "SUCCESSFULLY."
    CONSTRAINT _HOSTID = "\symm_host"
    CONSTRAINT ?RDFSplitSent:_TOKEN2
    SET bcv_groupid = "\_TOKEN2"
    ACTION EVENT-REPORT \
1220 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN2|COMMAND=RCL
AST = RDF_Split_In_Progress_\bcv_groupid"
    ACTION EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2"
    ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2|Status=yellow|Message=\_
MESSAGE"
    SET cmd = "symrdf -g \_TOKEN2\ -bcv -failedover verify"
    SET x = "\cmd\"
1230 /* ... add an underscore character to the end of the command and place it on the queue: */
    CREATE Priority_Queue:x
    IF !Command_Lock & !PAUSEIO_Lock
        IF ?Flash_Queue:_ALL > 0
            SET cmd = "\Flash_Queue:_ALL {} -1"
            IF \cmd[1,2] = " "
                SET cmd = "\cmd \" -1"
            ENDIF
            SET x = "\cmd\"
            DESTROY Flash_Queue:x
1235        SET Command_Lock = 1
        ACTION COMMAND "\cmd\
1240        ELSEIF ?Immediate_Queue:_ALL > 0
            SET cmd = "\Immediate_Queue:_ALL {} -1"
            IF \cmd[1,2] = " "
                SET cmd = "\cmd \" -1"
            ENDIF
            SET x = "\cmd\"
            DESTROY Immediate_Queue:x
            SET Command_Lock = 1
1245        ACTION COMMAND "\cmd\
1250
```

```
ELSEIF ?Priority_Queue:_ALL > 0
SET cmd = "\Priority_Queue:_ALL {} -1"
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\
1255 ENDIF
SET x = "\cmd\_"
DESTROY Priority_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
1260 ELSEIF ?Routine_Queue:_ALL > 0
SET cmd = "\Routine_Queue:_ALL {} -1"
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\
ENDIF
1265 SET x = "\cmd\_"
DESTROY Routine_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
ENDIF
1270 ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSplitSent_1|
TEXT=\_MESSAGE\
END
1275 DEFINE "RDFSplitSent" 2
MESSAGE \
"symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_FAILED_OVER \"NONE of the
mirrored pairs are in the 'Failed Over' \" \
1280 /* --1--*-----2-----*-----3-----*-----4-----*-----5---*6---*7---*8---*---9---*10---*11---*12---*---13---*
*-14---*/ \
"state.\\""
/* ---15--- */
TYPE ANY-SENDER OTHER
1285 PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_VERIFY"
TOKEN FIXED 4 "CLI_C_NONE_FAILED_OVER"
TOKEN FIXED 5 "\"NONE"
TOKEN FIXED 13 "FAILED"
1290 TOKEN FIXED 14 "OVER"
CONSTRAINT _HOSTID = "\symm_host\
CONSTRAINT ?RDFSplitSent:_TOKEN2
SET bcv_groupid = "\_TOKEN2\
ACTION EVENT-REPORT
1295 "TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_
MESSAGE\"
```

```
1300 /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
       containing the command: */
      ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
      \_TOKEN2\ -bcv -failedover verify"
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSplitSent_2|
1305 TEXT=\_MESSAGE\""
      END

      DEFINE "RDFSplitSent" 3
      MESSAGE \
1310   "symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_FAILED_OVER \"NOT all of
       the mirrored pairs are in the 'Failed Over' \" \
      /* --1---2---*---3---*-----4-----*--5--*6-*7-*8-*---9---*10--*11-*12*13-*--
1315 14---*15-* */ \
      "state.\""
      /* ---16--- */

      TYPE ANY-SENDER OTHER
      PRIORITY 128
      TOKEN KEYWORD 3 "CLI_C_VERIFY"
      TOKEN FIXED 4 "CLI_C_NOT_ALL_FAILED_OVER"
      TOKEN FIXED 5 "\"NOT"
      TOKEN FIXED 9 "MIRRORED"
      TOKEN FIXED 14 "\"FAILED"
      TOKEN FIXED 15 "OVER"
      CONSTRAINT _HOSTID = "\symm_host"
      CONSTRAINT ?RDFSplitSent:_TOKEN2
      SET bcv_groupid = "\_TOKEN2\
1320
      ACTION EVENT-REPORT
      "TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\
      ACTION WAIT 1 SECONDS EVENT-REPORT
1325      "TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_
      MESSAGEx"
      /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
       containing the command: */
      ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
      \_TOKEN2\ -bcv -failedover verify"
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSplitSent_3|
      TEXT=\_MESSAGE\""
      END

1340      /* Patterns for group "RDFSplitConf" */

      DEFINE "RDFSplitConf" 1
      MESSAGE "All devices in the RDF group '<bcv_groupid>' are in the 'Failed Over' state."
1345      /* -1---2---*3-*4-*5-*6-*-----7-----*8-*9-*10-*--11---*12--*13-- */
      TYPE ANY-SENDER OTHER
```

PRIORITY 128
TOKEN KEYWORD 1 "ALL"
TOKEN FIXED 2 "DEVICES"
TOKEN FIXED 5 "RDF"
TOKEN FIXED 6 "GROUP"
TOKEN FIXED 11 "'FAILED'"
TOKEN FIXED 12 "OVER"
CONSTRAINT _HOSTID = "\symm_host"
1350 CONSTRAINT ?RDFSPLITSENT:_TOKEN7
DESTROY RDFSPLITSENT:_TOKEN7
SET bcv_groupid = "_TOKEN7 {} 1\"
ACTION EVENT-REPORT \

1355
1360 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = RDF_All_Failed_Over_\bcv_groupid\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_LBCV|INSTANCE=\bcv_groupid\|Status=yellow|Message
=_MESSAGE\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_RDFL|INSTANCE=\bcv_groupid\|Status=yellow|Message
=_MESSAGE\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_R2|INSTANCE=\bcv_groupid\|Status=yellow|Message=_
MESSAGE"
DESTROY RDFSPLITSENT:bcv_groupid
CREATE LocEstSent:_TOKEN7
CREATE LocEstSent:bcv_groupid
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
\bcv_groupid\ -noprompt establish"
ACTION EVENT-REPORT \

1365
1370
1375
1380
1385
1390

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = Local_BCV_Establish_Sent_\bcv_groupid\"
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\bcv_groupid_LL|INSTANCE=\bcv_groupid\"
ACTION WAIT 1 SECONDS EVENT-REPORT \

"TYPE=AC|CLASS=\bcv_groupid_LL|INSTANCE=\bcv_groupid\|Status=green|Message=_
MESSAGE"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSPLITCONF_1|
TEXT=_MESSAGE"
END

/* Patterns for group "LocEstSent" */

1395 DEFINE "LocEstSent" 1
MESSAGE "symmir <bcv_groupid> CLI_C_ESTABLISH CLI_C_SUCCESS \"CLI call
completed successfully.\""
/* -1---*-----2-----*-----3-----*-----4-----*-----5-----*-----6-----*-----7-----*-----8----- */
1400 TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_ESTABLISH"
TOKEN FIXED 4 "CLI_C_SUCCESS"
TOKEN FIXED 5 "\"CLI\""
TOKEN FIXED 8 "SUCCESSFULLY."
1405 CONSTRAINT _HOSTID = "\syymm_host"
CONSTRAINT ?LocEstSent:_TOKEN2
SET bcv_groupid = "_TOKEN2\
ACTION EVENT-REPORT \

1410 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN2|COMMAND=RCL
AST = Local_BCV_Establish_In_Progress_\bcv_groupid"
ACTION EVENT-REPORT "TYPE=DE|CLASS=_TOKEN2_LL|INSTANCE=_TOKEN2"
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=_TOKEN2_LL|INSTANCE=_TOKEN2|Status=green|Message=_MES
SAGE\"
SET cmd = "symmir -g _TOKEN2\ verify"
SET x = "\cmd_"
/* ... add an underscore character to the end of the command and place it on the queue: */
CREATE Priority_Queue:x
1420 IF !Command_Lock & !PAUSEIO_Lock
IF ?Flash_Queue:_ALL > 0
SET cmd = "\Flash_Queue:_ALL {} -1\"
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " "-1\"
ENDIF
SET x = "\cmd_"
DESTROY Flash_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
1425
1430 ELSEIF ?Immediate_Queue:_ALL > 0
SET cmd = "\Immediate_Queue:_ALL {} -1\"
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " "-1\"
ENDIF
1435 SET x = "\cmd_"
DESTROY Immediate_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
ELSEIF ?Priority_Queue:_ALL > 0
SET cmd = "\Priority_Queue:_ALL {} -1\"
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " "-1\"

```
        ENDIF
        SET x = "\cmd\"
1445      DESTROY Priority_Queue:x
        SET Command_Lock = 1
        ACTION COMMAND "\cmd\
ELSEIF ?Routine_Queue:_ALL > 0
        SET cmd = "\Routine_Queue:_ALL {} -1\
1450      IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " "-1\
        ENDIF
        SET x = "\cmd\
        DESTROY Routine_Queue:x
1455      SET Command_Lock = 1
        ACTION COMMAND "\cmd\
        ENDIF
        ENDIF
        ACTION EVENT-REPORT
1460      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstSent_1|T
EXT=\_MESSAGE"
END

1465      DEFINE "LocEstSent" 2
        MESSAGE "Not all devices in group '<bcv_groupid>' are in the 'Synchronized or Restored'
state."
/*      -1-*--2-*---3---*4-*--5--*-----6-----*7-*8-*9-*----10-----*11*---12----*--13-- */
        TYPE ANY-SENDER OTHER
        PRIORITY 128
1470      TOKEN KEYWORD 1 "NOT"
        TOKEN FIXED 2 "ALL"
        TOKEN FIXED 3 "DEVICES"
        TOKEN FIXED 10 "SYNCHRONIZED"
        TOKEN FIXED 12 "RESTORED"
1475      CONSTRAINT _HOSTID = "\symm_host\
        CONSTRAINT ?LocEstSent:_TOKEN6
        SET bcv_groupid = "\_TOKEN6 {} 1\
        ACTION EVENT-REPORT
"TYPE=DE|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\
1480      ACTION WAIT 1 SECONDS EVENT-REPORT \
"TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
MESSAGE"
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
1485      containing the command: */
        ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
\bcv_groupid\ verify"
        ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstSent_2|T
1490      EXT=\_MESSAGE"
```

END

1495 DEFINE "LocEstSent" 3
 MESSAGE "None of the devices in group '<bcv_groupid>' are in the 'Synchronized or
 Restored' state."
 /* -1--*2-*3-*4---*5-*6-*-----7-----*8-*9-*10-*----11-----*12*---13---*--14-- */
 TYPE ANY-SENDER OTHER
 PRIORITY 128
 TOKEN KEYWORD 1 "NONE"
1500 TOKEN FIXED 3 "THE"
 TOKEN FIXED 4 "DEVICES"
 TOKEN FIXED 6 "GROUP"
 TOKEN FIXED 11 ""SYNCHRONIZED"
 TOKEN FIXED 14 "STATE."
1505 CONSTRAINT _HOSTID = "\symm_host"\
 CONSTRAINT ?LocEstSent:_TOKEN7
 SET bcv_groupid = "_TOKEN7 {} 1\"
 ACTION EVENT-REPORT
 "TYPE=DE|CLASS=\bcv_groupid_LL|INSTANCE=\bcv_groupid\"
1510 ACTION WAIT 1 SECONDS EVENT-REPORT \

 "TYPE=AC|CLASS=\bcv_groupid_LL|INSTANCE=\bcv_groupid\|Status=green|Message=_
 MESSAGE"\
1515 /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
 containing the command: */
 ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
 \bcv_groupid\ verify"
 ACTION EVENT-REPORT
 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstSent_3|T
1520 EXT=_MESSAGE"\
 END

 /* Patterns for group "LocalEstConf" */

1525 DEFINE "LocalEstConf" 1
 MESSAGE "All devices in group '<bcv_groupid>' are in the 'Synchronized or Restored'
 state."
 /* -1-*---2---*3-*4---*-----5-----*6-*7-*8-*-----9-----*10*---11---*--12-- */
 TYPE ANY-SENDER OTHER
1530 PRIORITY 128
 TOKEN KEYWORD 1 "ALL"
 TOKEN FIXED 2 "DEVICES"
 TOKEN FIXED 4 "GROUP"
 TOKEN FIXED 9 ""SYNCHRONIZED"
1535 TOKEN FIXED 11 "RESTORED"
 CONSTRAINT _HOSTID = "\symm_host"\
 CONSTRAINT ?LocEstSent:_TOKEN5
 DESTROY LocEstSent:_TOKEN5

```
1540    SET bcv_groupid = "\_TOKEN5 {} 1\"  
    ACTION EVENT-REPORT \  
  
    "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC  
    LAST = Local_BCV_All_Synchronized_\bcv_groupid\"  
    ACTION EVENT-REPORT  
1545    "TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=green|Message=\_  
    MESSAGE"  
    ACTION EVENT-REPORT  
    "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=green|Message=\_  
    MESSAGE"  
1550    ACTION EVENT-REPORT  
    "TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=green|Message  
    =\MESSAGE"  
    DESTROY LocEstSent:bcv_groupid  
    CREATE RemEstSent:_TOKEN5  
    CREATE RemEstSent:bcv_groupid  
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message  
containing the command: */  
    ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g  
\bcv_groupid\ -bcv -rdf -noprompt establish"  
1560    ACTION EVENT-REPORT \  
  
    "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC  
    LAST = Remote_BCV_Establish_Sent_\bcv_groupid\"  
    ACTION EVENT-REPORT  
1565    "TYPE=DE|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\"  
    ACTION WAIT 1 SECONDS EVENT-REPORT \  
  
    "TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=green|Message=\_  
    MESSAGE"  
    ACTION EVENT-REPORT  
    "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocalEstConf_1|  
    TEXT=\MESSAGE"  
    END  
1570  
1575    /* Patterns for group "Rem_BCV_Est" */  
  
    DEFINE "Rem_BCV_Est" 1  
    MESSAGE "symmir <bcv_groupid> CLI_C_ESTABLISH CLI_C_SUCCESS \"CLI call  
completed successfully.\""  
1580    /* --1---*-----2-----*-----3-----*-----4-----*--5--*6--*---7---*-----8----- */  
    TYPE ANY-SENDER OTHER  
    PRIORITY 128  
    TOKEN KEYWORD 3 "CLI_C_ESTABLISH"  
    TOKEN FIXED 4 "CLI_C_SUCCESS"  
1585    TOKEN FIXED 5 "\"CLI\""  
    TOKEN FIXED 8 "SUCCESSFULLY.\""
```

```
CONSTRANT _HOSTID = "\symm_host"
CONSTRANT ?RemEstSent:_TOKEN2
SET bcv_groupid = "\_TOKEN2\
1590 ACTION EVENT-REPORT \
"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN2|COMMAND=RCL
AST = Remote_BCV_Establish_In_Progress_ \
"\bcv_groupid"
1595 ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2|Status=green|Message=\_MESSAGE\
SET cmd = "symmir -g \_TOKEN2\ -bcv -rdf verify"
1600 SET x = "\cmd\
/* ... add an underscore character to the end of the command and place it on the queue: */
CREATE Priority_Queue:x
IF !Command_Lock & !PAUSEIO_Lock
1605 IF ?Flash_Queue:_ALL > 0
    SET cmd = "\Flash_Queue:_ALL {} -1\
    IF \cmd[1,2]\ = " "
        SET cmd = "\cmd \" -1\
    ENDIF
    SET x = "\cmd\
1610 DESTROY Flash_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
ELSEIF ?Immediate_Queue:_ALL > 0
1615 SET cmd = "\Immediate_Queue:_ALL {} -1\
    IF \cmd[1,2]\ = " "
        SET cmd = "\cmd \" -1\
    ENDIF
    SET x = "\cmd\
DESTROY Immediate_Queue:x
1620 SET Command_Lock = 1
ACTION COMMAND "\cmd\
ELSEIF ?Priority_Queue:_ALL > 0
SET cmd = "\Priority_Queue:_ALL {} -1\
1625 IF \cmd[1,2]\ = " "
    SET cmd = "\cmd \" -1\
ENDIF
SET x = "\cmd\
DESTROY Priority_Queue:x
SET Command_Lock = 1
1630 ACTION COMMAND "\cmd\
ELSEIF ?Routine_Queue:_ALL > 0
SET cmd = "\Routine_Queue:_ALL {} -1\
    IF \cmd[1,2]\ = " "
        SET cmd = "\cmd \" -1\

```

```
1635      ENDIF
          SET x = "\cmd\ "
          DESTROY Routine_Queue:x
          SET Command_Lock = 1
          ACTION COMMAND "\cmd\
1640      ENDIF
      ENDIF
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
1|TEXT=\_MESSAGE\""
1645      END

      DEFINE "Rem_BCV_Est" 2
      MESSAGE \
          "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_SYNCHRONIZED \"NONE of the
1650 mirrored pairs are in the 'Synchronized' \" \
          /* --1---*---2---*---3---*---4---*---5---*---6---*---7---*---8---*---9---*---10---*---11---*---12---*---13---* */ \
          "state.\""
          /* ---14--- */
1655      TYPE ANY-SENDER OTHER
      PRIORITY 128
      TOKEN KEYWORD 3 "CLI_C_VERIFY"
      TOKEN FIXED 4 "CLI_C_NONE_SYNCHRONIZED"
      TOKEN FIXED 5 "\"NONE"
1660      TOKEN FIXED 13 "SYNCHRONIZED"
      CONSTRAINT _HOSTID = "\symm_host\
      CONSTRAINT ?RemEstSent:_TOKEN2
      SET bcv_groupid = "\_TOKEN2\
      ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\
      ACTION WAIT 1 SECONDS EVENT-REPORT
      "TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\|Status=green|Message=\_MESSAGE\""
      /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
         containing the command: */
1670      ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
      \_TOKEN2\ -bcv -rdf verify"
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
2|TEXT=\_MESSAGE\""
1675      END

      DEFINE "Rem_BCV_Est" 3
      MESSAGE \
          "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_SYNCHRONIZED \"NOT all of
1680 the mirrored pairs are in the 'Synchronized' \" \
          /* --1---*---2---*---3---*---4---*---5---*---6---*---7---*---8---*---9---*---10---*---11---*---12---*---13---*---14--- */ \
```

```
" state.\"
/* ---15--- */
1685 TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_VERIFY"
TOKEN FIXED 4 "CLI_C_NOT_ALL_SYNCHRONIZED"
TOKEN FIXED 14 "SYNCHRONIZED"
1690 CONSTRAINT _HOSTID = "\symm_host\
CONSTRAINT ?RemEstSent:_TOKEN2
SET bcv_groupid = "\_TOKEN2\
ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\RL|INSTANCE=\_TOKEN2\
ACTION WAIT 1 SECONDS EVENT-REPORT
1695 "TYPE=AC|CLASS=\_TOKEN2\RL|INSTANCE=\_TOKEN2|Status=green|Message=\_MESSAGE\
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
\_TOKEN2\bcv -rdf verify"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
3|TEXT=\_MESSAGE\
END
1705
1700
1705
1710
1715
1720
1725
1730
```

DEFINE "Rem_BCV_Est" 4
MESSAGE "All devices in group '<bcv_groupid>' are in the 'Synchronized or Restored' state."
/* -1-*---2---*3-*--4-*-----5-----*6-*7-*8-*-----9-----*10*---11----*--12-- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 1 "ALL"
TOKEN FIXED 2 "DEVICES"
TOKEN FIXED 9 "SYNCHRONIZED"
TOKEN FIXED 10 "OR"
TOKEN FIXED 11 "RESTORED"
CONSTRAINT _HOSTID = "\symm_host\
CONSTRAINT ?RemEstSent:_TOKEN5
DESTROY RemEstSent:_TOKEN5
SET bcv_groupid = "_TOKEN5 \{1\}"
ACTION EVENT-REPORT \
"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = Remote_BCV_All_Synchronized_\bcv_groupid\
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\RL|INSTANCE=\bcv_groupid\|Status=green|Message=_MESSAGE\
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\RL|INSTANCE=\bcv_groupid\|Status=green|Message=_MESSAGE\"

1735 ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_RBCV|INSTANCE=\bcv_groupid>Status=green|Message
=_MESSAGE"\
DESTROY RemEstSent:\bcv_groupid
CREATE RemSplitSent:\bcv_groupid
CREATE RemSplitSent:_TOKEN5
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
1740 \bcv_groupid\ -bcv -rdf -noprompt split"
ACTION EVENT-REPORT \

1745 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:\bcv_groupid|COMMAND=RC
LAST = Remote_BCV_Split_Sent_\bcv_groupid\"
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\bcv_groupid_RL|INSTANCE=\bcv_groupid\"
ACTION WAIT 1 SECONDS EVENT-REPORT \

1750 "TYPE=AC|CLASS=\bcv_groupid_RL|INSTANCE=\bcv_groupid>Status=yellow|Message=_
MESSAGE"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
4|TEXT=_MESSAGE"
END
1755 /* Patterns for group "RemSplitSent" */

1760 DEFINE "RemSplitSent" 1
MESSAGE "symmir <\bcv_groupid> CLI_C_SPLIT CLI_C_SUCCESS \"CLI call completed
successfully.\""
/* --1---*----2----*---3---*---4---*--5--*-6--*---7---*-----8----- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_SPLIT"
1765 TOKEN FIXED 4 "CLI_C_SUCCESS"
TOKEN FIXED 5 "\"CLI\""
TOKEN FIXED 8 "SUCCESSFULLY.\""
CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?RemSplitSent:_TOKEN2
1770 SET bcv_groupid = "_TOKEN2\"
ACTION EVENT-REPORT \

1775 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:\bcv_groupid|COMMAND=RC
LAST = Remote_BCV_Split_In_Progress_\" \bcv_groupid\"
ACTION EVENT-REPORT "TYPE=DE|CLASS=_TOKEN2_RL|INSTANCE=_TOKEN2\""

```
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2|Status=yellow|Message=\_ME
SSAGE\"
```

1780 SET cmd = "symmir -g _TOKEN2\ -bcv -rdf -split verify"
 SET x = "\cmd_\"
 /* ... add an underscore character to the end of the command and place it on the queue: */
 CREATE Priority_Queue:x
 IF !Command_Lock & !PAUSEIO_Lock
1785 IF ?Flash_Queue:_ALL > 0
 SET cmd = "\Flash_Queue:_ALL _ -1\""
 IF \cmd[1,2]\ = " "
 SET cmd = "\cmd \" -1\""
 ENDIF
 SET x = "\cmd_\"
 DESTROY Flash_Queue:x
 SET Command_Lock = 1
 ACTION COMMAND "\cmd\"

1790 ELSEIF ?Immediate_Queue:_ALL > 0
 SET cmd = "\Immediate_Queue:_ALL _ -1\""
 IF \cmd[1,2]\ = " "
 SET cmd = "\cmd \" -1\""
 ENDIF
 SET x = "\cmd_\"
 DESTROY Immediate_Queue:x
 SET Command_Lock = 1
 ACTION COMMAND "\cmd\"

1795 ELSEIF ?Priority_Queue:_ALL > 0
 SET cmd = "\Priority_Queue:_ALL _ -1\""
 IF \cmd[1,2]\ = " "
 SET cmd = "\cmd \" -1\""
 ENDIF
 SET x = "\cmd_\"
 DESTROY Priority_Queue:x
 SET Command_Lock = 1
 ACTION COMMAND "\cmd\"

1800 ELSEIF ?Routine_Queue:_ALL > 0
 SET cmd = "\Routine_Queue:_ALL _ -1\""
 IF \cmd[1,2]\ = " "
 SET cmd = "\cmd \" -1\""
 ENDIF
 SET x = "\cmd_\"
 DESTROY Routine_Queue:x
 SET Command_Lock = 1
 ACTION COMMAND "\cmd\"

1805 ENDIF
 SET x = "\cmd_\"
 DESTROY Priority_Queue:x
 SET Command_Lock = 1
 ACTION COMMAND "\cmd\"

1810 ENDIF
 SET x = "\cmd_\"
 DESTROY Routine_Queue:x
 SET Command_Lock = 1
 ACTION COMMAND "\cmd\"

1815 ENDIF
 SET x = "\cmd_\"
 DESTROY Routine_Queue:x
 SET Command_Lock = 1
 ACTION COMMAND "\cmd\"

1820 ENDIF
 ENDIF
 ENDIF

1825 ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitSent_1|
TEXT=_MESSAGE\"
END

1830 DEFINE "RemSplitSent" 2
MESSAGE "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_SPLIT \"NONE of the
mirrored pairs are in the 'Split' state.\""
/* --1---*---2-----*---3-----*-----4-----*--5--*6-*7-*---8---*--9---*10-*11*12-*--13---
*---14--- */
TYPE ANY-SENDER OTHER
PRIORITY 128

1835 TOKEN KEYWORD 3 "CLI_C_VERIFY"
TOKEN FIXED 4 "CLI_C_NONE_SPLIT"
TOKEN FIXED 5 "\"NONE"
TOKEN FIXED 13 "'SPLIT'"
CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?RemSplitSent:_TOKEN2
SET bcv_groupid = "_TOKEN2\"

D 1840 ACTION EVENT-REPORT "TYPE=DE|CLASS=_TOKEN2_RL|INSTANCE=_TOKEN2\"
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=_TOKEN2_RL|INSTANCE=_TOKEN2|Status=yellow|Message=_ME
SSAGE\"
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
_TOKEN2\ -bcv -rdf -split verify"
ACTION EVENT-REPORT

1845 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitSent_2|
TEXT=_MESSAGE\"
END

1850 DEFINE "RemSplitSent" 3
MESSAGE "symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_SPLIT \"NOT all of
the mirrored pairs are in the 'Split' state.\""
/* --1---*---2-----*---3-----*-----4-----*--5--*6-*7-*---8---*--9---*10-*11*12*13-*--
14---*---15--- */

1855 1860 TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_VERIFY"
TOKEN FIXED 4 "CLI_C_NOT_ALL_SPLIT"
TOKEN FIXED 5 "\"NOT"
TOKEN FIXED 9 "MIRRORED"
TOKEN FIXED 14 "'SPLIT'"
CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?RemSplitSent:_TOKEN2
SET bcv_groupid = "_TOKEN2\"

1865 1870 ACTION EVENT-REPORT "TYPE=DE|CLASS=_TOKEN2_RL|INSTANCE=_TOKEN2\"

```
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_ME
SSAGE\""
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
1875 containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
\ TOKEN2\ -bcv -rdf -split verify"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitSent_3|
1880 TEXT=\_MESSAGE\""
END

/* Patterns for group "RemSplitDone" */

1885 DEFINE "RemSplitDone" 1
MESSAGE "All devices in group '<bcv_groupid>' are in the 'Split' state."
/* -1---2---3---4---5---6---7---8---9---10-- */
TYPE ANY-SENDER OTHER
PRIORITY 128
1890 TOKEN KEYWORD 1 "ALL"
TOKEN FIXED 2 "DEVICES"
TOKEN FIXED 4 "GROUP"
TOKEN FIXED 8 "THE"
TOKEN FIXED 9 "SPLIT"
1895 CONSTRAINT _HOSTID = "\symm_host"
CONSTRAINT ?RemSplitSent:_TOKEN5
DESTROY RemSplitSent:_TOKEN5
SET bcv_groupid = "\_TOKEN5 {} 1\
ACTION EVENT-REPORT \
1900

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = Remote_BCV_All_Split_\bcv_groupid\
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_R2|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
1905 MESSAGE\""
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
MESSAGE\""
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_RBCV|INSTANCE=\bcv_groupid\|Status=yellow|Message =
\MESSAGE\""
DESTROY RemSplitSent:bcv_groupid
ACTION EVENT-REPORT \
1910

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RE
MOTE COPY COMPLETE \bcv_groupid\
ACTION WAIT 2 SECONDS COMMAND "CLEAN UP \bcv_groupid\
ACTION EVENT-REPORT \
1915
```

1920 "TYPE=AL|CLASS=Host|INSTANCE=\RC_In_Progress:bcv_groupid|APPL=RemoteCopy|S
EV=Informational|ALARMID=RC_Complete|" \
 "ALARMQUAL=\bcv_groupid.\RC_In_Progress:bcv_groupid._DT {}" \
 2\HELP=RemoteCopy/RC_Complete|TEXT=Remote Copy complete " \
 "for disk group \bcv_groupid\ on node \RC_In_Progress:bcv_groupid\"
1925 DESTROY RC_In_Progress:bcv_groupid
 ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitDone_1
|TEXT=_MESSAGE\"
END
1930 /* Patterns for group "RC_Comp" */

1935 DEFINE "RC_Comp" 1
 MESSAGE "*30\REMOTE COPY COMPLETE*1\ <diskgroup>"
 /* -----1-----2-----3-----4----- */
 TYPE ANY-SENDER OTHER
 PRIORITY 128
 TOKEN KEYWORD 2 "COPY"
 TOKEN MASKED 3 "COMPLETE*1\"
 TOKEN MASKED 1 "*30\REMOTE"
 CONSTRAINT _HOSTID = \symm_host\
 ACTION EVENT-REPORT
"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN4|COMMAND=REM
OTE COPY COMPLETE _TOKEN4"
1940 ACTION COMMAND "CLEAN UP _NEGTOKEN1"
ACTION EVENT-REPORT \

1945 "TYPE=AL|CLASS=Host|INSTANCE=\RC_In_Progress:_TOKEN4|APPL=RemoteCopy|SEV
=Informational|ALARMID=RC_Complete|" \
 "ALARMQUAL=_TOKEN4.\RC_In_Progress:_TOKEN4._DT {}" \
 2\HELP=RemoteCopy/RC_Complete|TEXT=Remote Copy complete for disk " \
 "group _TOKEN4\ on node \RC_In_Progress:_TOKEN4\"
 DESTROY RC_In_Progress:_TOKEN4
 ACTION EVENT-REPORT
1950 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RC_Comp_1|TE
XT=_MESSAGE\"
END

1960 /* Patterns for group "CleanUp" */

1965 DEFINE "CleanUp" 1
 MESSAGE "*30\CLEAN UP <diskgroup> [FAIL]"
 /* -----1-----2-----3-----4----- */
 TYPE ANY-SENDER OTHER VARIABLE-LENGTH
 PRIORITY 128
 TOKEN KEYWORD 2 "UP"

TOKEN MASKED 1 "*30\CLEAN"
CONSTRAINT _HOSTID = \symm_host
SET x = "_TOKEN3"\n1970 SET y = "_TOKEN3\"
DESTROY RC_In_Progress:x
DESTROY RemVerifySplit:x
DESTROY LocVerifyEst:x
DESTROY LocSplitSent:x
1975 DESTROY RDF_In_Progress:x
DESTROY RDFSPLITSENT:x
DESTROY LocEstSent:x
DESTROY RemEstSent:x
DESTROY RemSplitSent:x
1980 DESTROY RC_In_Progress:y
DESTROY RemVerifySplit:y
DESTROY LocVerifyEst:y
DESTROY LocSplitSent:y
DESTROY RDF_In_Progress:y
DESTROY RDFSPLITSENT:y
DESTROY LocEstSent:y
DESTROY RemEstSent:y
DESTROY RemSplitSent:y
ACTION COMMAND "CHECK VARS"
1985 IF _TOKENS = 3
 ACTION WAIT 30 SECONDS EVENT-REPORT
 "TYPE=DE|CLASS=_TOKEN3_M2|INSTANCE=_TOKEN3\"
 ACTION WAIT 30 SECONDS EVENT-REPORT
 "TYPE=DE|CLASS=_TOKEN3_LL|INSTANCE=_TOKEN3\"
 ACTION WAIT 30 SECONDS EVENT-REPORT
 "TYPE=DE|CLASS=_TOKEN3_LBCV|INSTANCE=_TOKEN3\"
 ACTION WAIT 30 SECONDS EVENT-REPORT
 "TYPE=DE|CLASS=_TOKEN3_RDFL|INSTANCE=_TOKEN3\"
 ACTION WAIT 30 SECONDS EVENT-REPORT
2000 "TYPE=DE|CLASS=_TOKEN3_R2|INSTANCE=_TOKEN3\"
 ACTION WAIT 30 SECONDS EVENT-REPORT
 "TYPE=DE|CLASS=_TOKEN3_RL|INSTANCE=_TOKEN3\"
 ACTION WAIT 30 SECONDS EVENT-REPORT
 "TYPE=DE|CLASS=_TOKEN3_RBCV|INSTANCE=_TOKEN3\"
2005 ENDIF
 ACTION EVENT-REPORT
 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CleanUp_1|TEX
 T=_MESSAGE\"
END
2010 DEFINE "CleanUp" 2
MESSAGE "RESET LOCK*1\ <lock_name>|ALL"
TYPE ANY-SENDER OTHER
PRIORITY 128

2015 TOKEN KEYWORD 1 "RESET"
TOKEN MASKED 2 "LOCK*1"
CONSTRAINT _HOSTID = \symm_host
IF _TOKEN3 = "ALL"
 RESET Command_Lock
2020 RESET PAUSEIO_Lock
ELSEIF _TOKEN3 = "COMMAND"
 RESET Command_Lock
ELSEIF _TOKEN3 = "PAUSEIO"
 RESET PAUSEIO_Lock
2025 ENDIF
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CleanUp_2|TEX
T=_MESSAGE\"
END
2030 /* Patterns for group "CheckVars" */

2035 DEFINE "CheckVars" 1
MESSAGE "*30\CHECK VARS"
/* ----1----*-2-- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 2 "VARS"
TOKEN MASKED 1 "*30\CHECK"
CONSTRAINT _HOSTID = \symm_host\
ACTION EVENT-REPORT \

2040 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Var bcv_groupid: +\bcv_groupid+"
ACTION EVENT-REPORT \

2045 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Var cmd: +\cmd+"
ACTION EVENT-REPORT \

2050 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Var Command_Lock: "\
 +\Command_Lock+"
ACTION EVENT-REPORT \

2055 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Var PAUSEIO_Lock: "\
 +\PAUSEIO_Lock+"
ACTION EVENT-REPORT \

2060 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group Flash_Queue: "\

2065 "+\Flash_Queue:_ALL\+"
 ACTION EVENT-REPORT \

"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group Immediate_Queue: "\ \
 "+\Immediate_Queue:_ALL\+"
 ACTION EVENT-REPORT \

2070 "+\Priority_Queue:_ALL\+"
 ACTION EVENT-REPORT \

2075 "+\Routine_Queue:_ALL\+"
 ACTION EVENT-REPORT \

2080 "+\GroupNode:_ALL\+"
 ACTION EVENT-REPORT \

2085 "+\IX_pass\+"
 ACTION EVENT-REPORT \

2090 "+\IX_stop_diskio\+"
 ACTION EVENT-REPORT \

2095 "+\LogName\+"
 ACTION EVENT-REPORT \

2100 "+\node\+"
 ACTION EVENT-REPORT \

2105 "+\symm_host\+"
 ACTION EVENT-REPORT \
T=Group RemVerifySplit: "\ \
 "+\RemVerifySplit:_ALL\+"
 ACTION EVENT-REPORT \

2110 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group LocVerifyEst: " \
 "+\LocVerifyEst:_ALL\+"
 ACTION EVENT-REPORT \

2115 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group LocSplitSent: " \
 "+\LocSplitSent:_ALL\+"
 ACTION EVENT-REPORT \

2120 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group RDF_In_Progress: " \
 "+\RDF_In_Progress:_ALL\+"
 ACTION EVENT-REPORT \

2125 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group RDFSplitSent: " \
 "+\RDFSplitSent:_ALL\+"
 ACTION EVENT-REPORT \

2130 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group LocEstSent: " \
 "+\LocEstSent:_ALL\+"
 ACTION EVENT-REPORT \

2135 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group RemEstSent: " \
 "+\RemEstSent:_ALL\+"
 ACTION EVENT-REPORT \

2140 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group RemSplitSent: " \
 "+\RemSplitSent:_ALL\+"
 ACTION EVENT-REPORT \

2145 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group RC_In_Progress: " \
 "+\RC_In_Progress:_ALL\+"
 ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CheckVars_1|TE
XT=_MESSAGE"
END

/* Patterns for group "login" */

2155 DEFINE "login" 1
MESSAGE "login: (other stuff maybe)"

```
/* --1---*--2---*--3---*--4--- */
TYPE ANY-SENDER OTHER VARIABLE-LENGTH
PRIORITY 128
2160 TOKEN KEYWORD 1 "LOGIN:"
CONSTRAINT _HOSTID = "\symm_host"
ACTION COMMAND "login"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=login_1|TEXT=\_
2165 MESSAGE\
END

DEFINE "login" 2
MESSAGE "password:"
2170 /* ----1---- */
TYPE ANY-SENDER OTHER
PRIORITY 127
TOKEN KEYWORD 1 "PASSWORD:"
CONSTRAINT _HOSTID = "\symm_host"
ACTION PASSWORD "password"
ACTION COMMAND WAIT 1 SECONDS "prompt $N:\$\$G\$_"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=login_2|TEXT=\_
2175 MESSAGE\
END
2180
```